SIEMENS

# Data sheet for SINAMICS G120 Power Module PM240



## Ordering data

**6SL3224-0BE25-5AA0**

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

## Rated data

### Input

| | |
|---|---|
| **Number of phases** | 3 AC |
| **Line voltage** | 380 ... 480 V ±10 % |
| **Line frequency** | 47 ... 63 Hz |
| **Rated current with line reactor** | 18.70 A |
| **Rated current without line reactor** | 21.90 A |

### Output

| | |
|---|---|
| **Number of phases** | 3 AC |
| **Rated voltage** | 400 V |
| **Rated power (LO)** | 7.50 kW |
| **Rated power (HO)** | 5.50 kW |
| **Rated current (LO)** | 18.00 A |
| **Rated current (HO)** | 13.20 A |
| **Max. output current** | 26.40 A |
| **Pulse frequency** | 4 kHz |
| **Output frequency for vector control** | 0 ... 200 Hz |
| **Output frequency for V/f control** | 0 ... 550 Hz |

## General tech. specifications

| | |
|---|---|
| **Power factor λ** | 0.85 |
| **Offset factor cos φ** | 0.95 |
| **Efficiency η** | 0.95 |
| **Sound pressure level (1m)** | 60 dB |
| **Power loss** | 0.24 kW |

## Ambient conditions

| | |
|---|---|
| **Cooling** | Internal air cooling |
| **Cooling air requirement** | 0.055 m³/s |
| **Installation altitude** | 1000 m |

### Ambient temperature

| | |
|---|---|
| **Operation LO** | 0 ... 40 °C (32 ... 104 °F) |
| **Operation HO** | 0 ... 50 °C (32 ... 122 °F) |
| **Transport** | -40 ... 70 °C (-40 ... 158 °F) |
| **Storage** | -25 ... 55 °C (-13 ... 131 °F) |

### Relative humidity

| | |
|---|---|
| **Max. operation** | 95 % RH, condensation not permitted |

## Overload capability

**Low Overload (LO)**

1.1 × output current rating (i.e., 110 % overload) for 57 s with a cycle time of 300 s 1.5 × output current rating (i.e., 150 % overload) for 3 s with a cycle time of 300 s

**High Overload (HO)**

1.5 × output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s 2 × output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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## Mechanical data

| | |
|---|---|
| **Degree of protection** | IP20 |
| **Size** | FSC |
| **Net weight** | 7.00 kg |
| **Width** | 189.0 mm |
| **Height** | 334.0 mm |
| **Depth** | 185.0 mm |

## Connections

### Line side

| | |
|---|---|
| **Version** | Screw-type terminals |
| **Conductor cross-section** | 2.50 ... 10.00 mm² |

### Motor end

| | |
|---|---|
| **Version** | Screw-type terminals |
| **Conductor cross-section** | 2.50 ... 10.00 mm² |

### DC link (for braking resistor)

| | |
|---|---|
| **Conductor cross-section** | 2.50 ... 10.00 mm² |

### Max. motor cable length

| | |
|---|---|
| **Shielded** | 50 m |
| **Unshielded** | 100 m |

## Standards

| | |
|---|---|
| **Compliance with standards** | UL, cUL, CE, C-Tick, SEMI F47 |
| **CE marking** | According to low-voltage directive 2006/95/EC |